

Date: Wed, 24 Nov 93 04:30:29 PST
From: Ham-Equip Mailing List and Newsgroup <ham-equip@ucsd.edu>
Errors-To: Ham-Equip-Errors@UCSD.Edu
Reply-To: Ham-Equip@UCSD.Edu
Precedence: Bulk
Subject: Ham-Equip Digest V93 #111
To: Ham-Equip

Ham-Equip Digest Wed, 24 Nov 93 Volume 93 : Issue 111

Today's Topics:

ACC Shackmaster wanted.
Alinco DJ560
Best 2m handheld? (4 msgs)
Can modified DJ-580 do crossband repeat?
dc pwr supply for sale
Icom W2E
info on Alinco DJ-162
Kenwood 940 PLL Unlock problem
Kenwood TS-50S Query
SSB CW filters
SSB VHF/UHF portable equipment info needed??
Yaesu and Tentec debate-> Thanks for help

Send Replies or notes for publication to: <Ham-Equip@UCSD.Edu>
Send subscription requests to: <Ham-Equip-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Equip Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-equip".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 22 Nov 93 03:40:13 GMT
From: swrinde!cs.utexas.edu!math.ohio-state.edu!sol.ctr.columbia.edu!destroyer!
mcnnet!sapnet!n8jbo@network.ucsd.edu
Subject: ACC Shackmaster wanted.
To: ham-equip@ucsd.edu

Wanted ACC Shackmasters any condition.
state condition and asking price.

Jim
n8jbo@sapnet.mi.org

Date: Mon, 22 Nov 1993 13:40:16 GMT
From: psinntp!newsserver.pixel.kodak.com!newsserver.raster.Kodak.COM!
khk@uunet.uu.net
Subject: Alinco DJ560
To: ham-equip@ucsd.edu

I have seen an add for the dual band DJ560 for under \$300.
This sounds like a real good deal, but i don't know anything
about this device. Can somebody tell me whether this *IS*
such a good deal, or are there any drawbacks?

Thanks

Karl Heinz - waiting for my callsign

--
Karl Heinz Kremer Performance Technology & Evaluation
Eastman Kodak Company, Department 294, 901 Elmgrove Road
Rochester, NY 16453-5810, USA FAX: +1-716-726-0374
EMail: khk@raster.kodak.com Phone: +1-716-726-7882

Date: Tue, 23 Nov 1993 14:14:39 GMT
From: news.cerf.net!pagesat!olivea!spool.mu.edu!mixcom.com!
kevin.jessup@network.ucsd.edu
Subject: Best 2m handheld?
To: ham-equip@ucsd.edu

In <1993Nov22.163942.23514@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman)
writes:

>All HTs share two problems to
>one degree or another. They all are subject to intermod, especially when
>used on a decent antenna instead of the rubber dummy load that they come
>with. That means you'll constantly be hounded by squalls and squeaks
>from the radio in most high RF areas, like the downtown areas of cities.
>And all HTs are low power. That means you'll likely be noisy into most
>repeaters when you operate mobile, even if you use an external antenna
>which aggravates received intermod.

Agreed. Assuming the individual DOES want an HT, which HT does the net
consider the best given the following...

- 1.) Need good intermod rejection.
- 2.) Need resistance to desense from strong signals.
- 3.) Must have PL encode and decode.
- 4.) Wide-band receive is not important.
- 5.) Solid performance on the amateur bands IS important.
- 6.) Size is not a factor.

I would place the RS HTX-202 in that catagory. Any others?

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/`- _      kevin.jessup@mixcom.com | The US Constitution defines the
{      }/ Marquette Electronics, Inc | "rights" the people give to the
\      / Milwaukee, Wisconsin, USA | government, not the reverse!
|__*| N9SQB, ARRL, Amateur Radio |

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Date: 23 Nov 93 16:13:12 GMT
 From: ogicse!hp-cv!hp-pcd!hpcvsnz!davidc@network.ucsd.edu
 Subject: Best 2m handheld?
 To: ham-equip@ucsd.edu

Congratulations.

Gary's comments are correct for the most part. Most HT's are prone to intermod problems and the combination of low power and a dummy load antenna don't get your signal out very good.

However...

I chose to go with a handheld because I do alot of hiking etc. and wanted something to take along. I purchased a Standard C168A one year ago and have been very very pleased. This is a 2 meter handheld with all the bells and whistles. The reason I picked it over all the others is that it is rated at 2.8 watts with the supplied 7.2 volt nicad pack and it does not have near the intermod problems as many others (based on input from other folks and now my own experience also). I consistently get great signal reports when I transmit. For the car I am using a Comet B10 on a mag mount. At home I have 50 feet of RG8X coax connected to a Cushcraft AR270 up on a mast on my chimney. The signal report I get transmitting to a repeater 40 miles away...
 "You are full quieting".

You can also put an external DC source into this radio for more power. 12 volts gets you 5 watts out and according to the specs you can go up to 16 volts for a maximum of 7 watts.

It really all depends what you want the radio for. If you are going to only use it from your car or from home by all means look at a mobile rig

but if you want something to pack around beyond this there are some good HT's out there. If money was no object I would, of course, have both :)

Good Luck.

Dave KB7QCL

Date: 23 Nov 1993 08:52:42 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!pipex!sunic!
EU.net!sun4nl!tuegate.tue.nl!blade.stack.urc.tue.nl!philip@network.ucsd.edu
Subject: Best 2m handheld?
To: ham-equip@ucsd.edu

[some stuff about getting licences and so on]

> I'm not going to answer your question directly, however. What I'm going
> to do is try to discourage you from making your first radio a handheld.
> Buy a mobile rig instead.

Before i bought my Icom W2E, some amateurs i knew, told me the same. But i've choosen for a handheld because for me (i don't have a car) the purpose for getting an tranciever was to use it outdoors. And the problem of the low power: i am building a 30 Watt cheap amplifier. And in the future i will also buy a 2/.70 beam to put at home on the roof. (Some money problems at the moment :()

> You'll be happier, and everyone who has to
> listen to your signal will be happier. All HTs share two problems to
> one degree or another. They all are subject to intermod, especially when
> used on a decent antenna instead of the rubber dummy load that they come
> with.

Ok, the rubber dummy load is not very good. But it is small and it works. For better results use a longer antenna.

> That means you'll constantly be hounded by squalls and squeaks
> from the radio in most high RF areas, like the downtown areas of cities.
> And all HTs are low power. That means you'll likely be noisy into most
> repeaters when you operate mobile, even if you use an external antenna
> which aggravates received intermod. This means that everyone monitoring
> the repeater is subjected to your scratchy signals, or that you just can't
> access some repeaters. It's not pleasant to copy noisy signals that drop
> in and out of the repeater.
> Buy a 45 watt mobile rig and a good 5/8 wave roof mount antenna.

I am only allowed to use 30 Watts of output power so 45 is a little to much.

> The mobile rig will have better filtering and won't be so subject to
> intermod, and the higher power will make you solid copy on the repeaters.
> If you buy a quick release mount and a 12 volt power supply and base
> antenna, you can move the rig back and forth between the car and house
> until you buy the inevitable second rig. A HT *might* be a good third rig
> depending on local conditions.

A handheld i bought is for me the perfect one. Only when you don't want to spend some (?) money on it, it will become expensive with all the extra tools and gadgets.

PhK

Date: 22 Nov 1993 20:39:50 GMT
From: munnari.oz.au!spool.mu.edu!caen!math.ohio-state.edu!howland.reston.ans.net!
vixen.cso.uiuc.edu!newsrelay.iastate.edu!destroyer!news1.oakland.edu!
vela.acs.oakland.edu!prvalko@network.ucsd.edu
Subject: Best 2m handheld?
To: ham-equip@ucsd.edu

For what it's worth, I could not agree with Gary's response more.

I have an FT-530, dual-band HT. It sits in the desk until a dozen times a year (swaps/Dayton,Pulic Service events) when it's needed.

73 and congratulations, =paul= wb8zjl

HT's have two power levels, low and lower.

Date: Fri, 19 Nov 1993 17:02:49 GMT
From: library.ucla.edu!agate!howland.reston.ans.net!xlink.net!subnet.sub.net!
rnihd.rni.sub.org!rnivh!torsten@network.ucsd.edu
Subject: Can modified DJ-580 do crossband repeat?
To: ham-equip@ucsd.edu

dbraun@ilx049.intel.com (Doug Braun) writes:

>I have an Alinco DJ-580, and right after I got it,
>I did the two "standard" modifications, for airband/800MHZ
>and extended Tx/Rx. (Note that here in Region 1, you have to do
[...]
>So I am wondering: Does enabling extended Tx/Rx or airpand have
>the side effect of disabling crossband repeat? Does the

>crossband repeat EVER work as documented? BTW, the radio's
>serial number is 19792.

Please POST the answer. I'm interested in it, too !

tnx in advance.

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--  
0 /                               Torsten Leibold  
-+-= | _\_\_o___/_| Konrad-Adenauer-Allee 105  
/ \  <[_\_\_-\_-----< 68519 Viernheim, Germany  
      | o'                ...!subnet.sub.net!rnihd!rnivh!torsten
```

Date: Mon, 22 Nov 1993 15:41:09 GMT
From: paperboy.ids.net!anomaly.sbs.com!chowda!dennis.bernier@uunet.uu.net
Subject: dc pwr supply for sale
To: ham-equip@ucsd.edu

FOR SALE.....

SORENSEN POWER SUPPLY DCR20-125:
0-25 VOLTS DC 120 AMPS CONT.

B&K POWER SUPPLY 1686:
0-20 VOLTS DC 12 AMP CONT.

PHONE # 401 723 2756
FAX # 401 723 5545

Date: 23 Nov 1993 08:32:59 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!pipex!sunic!
EU.net!sun4nl!tuegate.tue.nl!blade.stack.urc.tue.nl!philip@network.ucsd.edu
Subject: Icom W2E
To: ham-equip@ucsd.edu

I've posted this question before, but there were only two responses on my
request. Can anybody send me some special keycodes for use with the Icom-W2E
or W2A. Codes for wider receive etc.

Thanx,

PhK
Philip@blade.stack.urc.tue.nl

Date: 23 Nov 93 21:46:45 GMT
From: ogicse!uwm.edu!csd4.csd.uwm.edu!pachner@network.ucsd.edu
Subject: info on Alinco DJ-162
To: ham-equip@ucsd.edu

I just purchased an Alinco DJ-162TD. I was wondering if there are any mods available for the out of band receive. Also, this unit might be used as a Civil Air Patrol radio for my dad, so are there any out of band transmit mods. Thanks for any info.

--
Thomas Jay Pachner ==- Music Major, Bassist, Gamer, and Amateur Operator
University of Wisconsin - Milwaukee - pachner@csd4.csd.uwm.edu
BARNEY MUST DIE!!!!!!!!!!!!
Amateur Call Sign: N9UJJ

Date: 19 Nov 1993 21:28:48 GMT
From: tymix.Tymnet.COM!drawson@uunet.uu.net
Subject: Kenwood 940 PLL Unlock problem
To: ham-equip@ucsd.edu

I've had my Kenwood 940 for many years now (since 1986 maybe? I don't remember). In the last 3 weeks it has started showing an intermittent problem - maybe 4 times in all. The display digits blank, and only a row of dots (unemployed decimal points) remains. Receive audio is muted then, also. If I do anything to set the frequency, such as press a memory or VFO related button, or key or unkey, the numbers return to the display for about half a second, then shut off again.

Cycling power doesn't help. Waiting a couple of minutes was enough all but the first time, which seemed much longer. (Maybe that was subjective!) Once the rig resumed operating normally, it was days before the problem came back.

Kenwood's service department told me that, as I suspected, this indicates that the PLL unit decided that it wasn't locked onto the indicated frequency. This is a known problem, and there are some "PLL Unlock Updates" to the rig that should fix the problem. Kenwood agreed to mail me the appropriate service bulletins, although I expect that I'll just decide to have Kenwood do the work.

Questions: Who else has experience with this problem with this radio? Can you add anything to description or prognosis? I wonder why only now the problem is showing up? I imagine something is aging (other than the

op); I wonder what provokes the problem.

73,

Dick Rawson, N6CMJ drawson@tymnet.com

Date: Sat, 20 Nov 1993 21:39:17 GMT
From: nntp.ucsb.edu!mustang.mst6.lanl.gov!nntp-server.caltech.edu!
elroy.jpl.nasa.gov!swrinde!cs.utexas.edu!uwm.edu!spool.mu.edu!torn!nott!cunews!
freenet.carleton.ca!Freenet.carleton.ca!ai058@@
Subject: Kenwood TS-50S Query
To: ham-equip@ucsd.edu

I am thinking of buying the TS-50S for mobiling only. I would appreciate any comments on this radio pro or con.

Thanks in advance, Rick VE3QV

--
Rick Bushnell VE3QV Ottawa, Ontario, Canada
ai058@freenet.carleton.ca

Date: 22 Nov 1993 15:38:18 GMT
From: ucsnews!sol.ctr.columbia.edu!math.ohio-state.edu!news.acns.nwu.edu!
casbah.acns.nwu.edu!rdewan@network.ucsd.edu
Subject: SSB CW filters
To: ham-equip@ucsd.edu

In article <CGuF5G.Hwp@sed.csc.com>, Gary Kahn <gkahn@sed.csc.com> wrote:
>Which is preferable for Kenwood TS-850S?
> 1) I.F. narrow band filters for SSB/CW, or
> 2) DSP at the audio output?
>

If I had to pick, then I would pick IF filters. Placing a filter earlier on in the receive chain has many advantages, with the AGC turned off or on. Further, the CW filters in the Kenwood are quite good: minimum ringing and reasonable shape factors. I elaborate on this below.

My equipment:

I have an 850 with 270Hz and 500Hz filters in the 8.83MHz IF and a 500Hz filter in the 455Kc IF. I have the W9GR DSP box. All tests described below have been done with CW.

With the narrow filters in, the W9GR DSP 200 Hz filter does not seem to

offer much improvement.

On the other hand, if I use the wider filters in radio and DSP in the audio and leave the AGC on there is AGC pumping. AGC pumping is the annoying effect where a desired signal seems to change in amplitude with another signal that is not otherwise audible. This occurs in receivers that have narrower filter further on in the IF or audio chain. A typical setup that will result in AGC pumping a TS850 with wide (2.7KHz) filters and a DSP audio filter. A strong signal that is outside the audio passband of the DSP filter will trigger the AGC and reduce gain while remaining inaudible.

If the AGC is turned off to reduce pumping, the strong signal could saturate stages and drastically reduce the selectivity and intermodulation performance.

My first choice would be filters for the 8.83MHz IF, then 455Kcs IF and lastly the audio DSP filter. Ideally, I would like to have them all.

Rajiv
aa9ch
r-dewan@nwu.edu

Date: 23 Nov 93 18:51:48 GMT
From: news.uiowa.edu!herky.cs.uiowa.edu!mau@uunet.uu.net
Subject: SSB VHF/UHF portable equipment info needed??
To: ham-equip@ucsd.edu

Hi
I am looking for info on SSB VHF/UHF equipment that can be used
for portable operation.
Any info will be wellcomed.

Thanks
Napoleon
--

Napoleon Mau
mau@herky.cs.uiowa.edu

Date: 23 Nov 93 17:24:14 GMT
From: ogicse!cs.uoregon.edu!news.uoregon.edu!netnews.nwnet.net!raven.alaska.edu!
acad2.alaska.edu!auchd@network.ucsd.edu
Subject: Yaesu and Tentec debate-> Thanks for help

To: ham-equip@ucsd.edu

Thanks for all the wonderfull feedback on the Scout 555 and the Yaesu 747GX. I decided to wait before making a decision. Instead I bought a 10 meter mobile rig at \$200.00 (Uniden HR2600). As soon as I upgrade my license, then I'll jump back in the "classic conflict." Food for thought: 73 magazine reviewer said the Yaesu had muddy audio.....

73 James Wiedle - WL7NO

Date: 22 Nov 1993 14:07:57 GMT
From: ucsnews!sol.ctr.columbia.edu!spool.mu.edu!bloom-beacon.mit.edu!crl.dec.com!
crl.dec.com!nntpd.lkg.dec.com!smaug.enet.dec.com!legerlotz@network.ucsd.edu
To: ham-equip@ucsd.edu

References <CGpqKs.Gwr@alsys.com>, <CGqnLn.Gpv@news.iastate.edu>,
<CGr4H8.B9F@alsys.com>enet.d
Reply-To : legerlotz@smaug.enet.dec.com ()
Subject : Re: Problems with Kenwood TM-742A

I put in a post last week that I had tested my radio and that it seemed fine.

Well...

I got my 6 meter brick on Friday afternoon and installed it. I played with the radio for about an hour after that with no problems. I wanted to really test it, so I put the 2 meter side into scan mode, and the 440 side into S-meter squelch. As I put it into 2 meter squelch - Bang - no display.

I called a friend who has the same setup, he did the same - Bang - no display.

We linked the problem to the TSU-7, but it seemed independent of the 3rd band. We went to HRO on Saturday to get new radios. We tested some (with no 3rd band and no tsu-7 [ctcss] installed) and we took locked them up, too.

This is really unfortunate. This is the radio that I want; it has all of the features and the 3rd band, etc... With this lock up problem, though, I don't know if I would trust my money being spent on it.

We're waiting to see what we can find out from Kenwood.

-Al (n1ihu)

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These comments are my own and do not necessarily reflect the opinions of
Digital Equipment Corporation.

Date: Fri, 19 Nov 1993 18:24:40 GMT
From: telesoft!garym@uunet.uu.net
To: ham-equip@ucsd.edu

References <CFoJ0J.973@alsys.com>, <CGpqKs.Gwr@alsys.com>,
<CGqnLn.Gpv@news.iastate.edu>nd.re
Subject : Re: Problems with Kenwood TM-742A

In <CGqnLn.Gpv@news.iastate.edu> jdwhite@iastate.edu (Jason White) writes:
>>...the display froze up and it shut off just like the second radio I had. Now
>>when powered up, it displays -on- for a few seconds and shuts down. The key
>>sequence for resetting the cpu doesn't help. So it's back to HRO again.
>>I'm getting really tired of this.
> ^^^

> I bought my unit from Radio City and after experiencing the first lockup..
>...The techs and Radio City and I figured it was a problem
>with the 3rd band unit I installed, so it went back to Kenwood.

The other people have mentioned this also, but my radio doesn't have the 3rd
band unit installed I was going to buy it soon but in any case all my
problems have been with just the two standard bands.

I'm headed back to HRO this morning, we'll say what they say.
--GaryM
--

Gary Morris KK6YB Internet: garym@alsys.com
San Diego, CA USA Phone: +1 619-457-2700 x128 (work)

End of Ham-Equip Digest V93 #111

